



INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/781,142
Filing Date	February 18, 2004
First Named Inventor	Kyrkanides
Group Art Unit	1632
Examiner Name	Hama, Joanne

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No
	C1	WO 2003/092612	11/13/03	Kyrkanides	
	C2	WO 2004/073646	09/02/04	Kyrkanides	
	C3	WO 2006/079068	7/27/06	Kyrkanides	
	C4	WO 2006/053343	5/18/06	Kyrkanides	

NON-PATENT DOCUMENTS

Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
	C5	Abbott FV, Franklin KBJ, Conel B (1986). The stress of a novel environment reduces formalin pain: possible role of serotonin. Eur J Pharmacol 126:141-144.
	C6	Abdallah et al. Non-viral gene transfer: applications in developmental biology and gene therapy. Biol Cell. 1995 85(1):1-7.
	C7	Agarwal S, Long P, Gassner R, Piesco NP, Buckley MJ (2001). Cyclic tensile strain suppresses catabolic effects of interleukin-1beta in fibrochondrocytes from the temporomandibular joint. Arthr Rheum 44:608-17.
	C8	Ahmadzadeh N, Shingu M, Nobunaga M (1990). The effect of recombinant tumor necrosis factor-alpha on superoxide and metalloproteinase production by synovial cell and chondrocytes. Clin Exp Rheumatol 8:387-91.
	C9	Akiyama, H., S. Barger, S. Barnum, B. Bradt, J. Bauer, G.M. Cole, N.R. Cooper, P. Eikelenboom, M. Emmerling, B.L. Fiebich, C.E. Finch, S. Frautschy, W.S. Griffin, H. Hampel, M. Hull, G. Landreth, L. Lue, R. Mrak, I.R. Mackenzie, P.L. McGeer, M.K. O'Banion, J. Pachter, G. Pasinetti, C. Plata-Salaman, J. Rogers, R. Rydel, Y. Shen, W. Streit, R. Strohmeyer, I. Tooyoma, F.L. Van Muiswinkel, R. Veerhuis, D. Walker, S. Webster, B. Wegrzyniak, G. Wenk and T. Wyss-Coray. Inflammation and Alzheimer's disease. Neurobiol Aging (2000) 21:383-421.
	C10	Anderson GD, Hauser SD, McGarity KL, Bremer ME, Isakson PC and Gregory SA (1996). Selective inhibition of cyclooxygenase (COX)-2 reverses inflammation and expression of COX-2 and interleukin 6 in rat adjuvant arthritis. J Clin Invest 97:2672-79.
	C11	Andreev N, Urban L, Dray A. Opioids suppress spontaneous activity of polymodal nociceptors in rat paw skin induced by ultraviolet irradiation. Neuroscience. 1994 Feb;58(4):793-8.
	C12	Arend, W.P. The balance between IL-1 and IL-1Ra in disease. Cytokine & Growth Factor Rev. (2002) 13:323-340.
	C13	Asipu MA. et al., The specificity of the myelin basic protein gene promoter studied in transgenic mice. Biochemical & Biophysical Research Communications. 288(4):809-18, 2001
	C14	Balkhi KM, Tallents RH, Katzberg RW, Murphy W, Proskin H. Activity of anterior temporalis and masseter muscles during deliberate unilateral mastication. J Orofac Pain. 1993 Winter;7(1):89-97.
	C15	Barber A, Gottschlich R. Opioid agonists and antagonists: an evaluation of their peripheral actions in inflammation. Med Res Rev. 1992 Sep;12(5):525-62.

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary)			Complete if Known	
			Application Number	10/781,142
			Filing Date	February 18, 2004
			First Named Inventor	Kyrkanides
			Group Art Unit	1632
			Examiner Name	Hama, Joanne
C16	Bartho L, Stein C, Herz A. Involvement of capsaicin-sensitive neurones in hyperalgesia and enhanced opioid antinociception in inflammation. Naunyn Schmiedeberg's Arch Pharmacol. 1990 Dec;342(6):666-70.			
C17	Basu, A., J.K. Krady, M. O'Malley, S.D. Styren, S.T. DeKosky and S.W. Levinson. The type 1 interleukin-1 receptor is essential for the efficient activation of microglia and the induction of multiple proinflammatory mediators in response to brain injury. J. Neurosci. (2002) 22:6071-6082.			
C18	Baum BJ, Kok M, Tran SD, Yamano S. The impact of gene therapy on dentistry: a revisiting after six years. J Am Dent Assoc. 2002 Jan;133(1):35-44.			
C19	Beccari et al. (1992) Cloning and sequence analysis of a cDNA encoding the alpha-subunit of mouse beta-N-acetylhexosaminidase and comparison with the human enzyme. Biochem J 285(Pt 2):593-596.			
C20	Belsham GJ, Sonenberg N. RNA-Protein Interactions in Regulation of Picornavirus RNA Translation. 1996. Microbiological Reviews. 60:499-511			
C21	Bernick S The vascular and nerve supply to the temporomandibular joint of the rat. Oral Surg Oral Med Oral Pathol. 1962 Apr;15:488-98.			
C22	Beutler E, Subunit Structure of Hexaminidase Isoenzymes. Advances in Genetics, Chp 9. 2001 44:93-100			
C23	Biddulph et al. Inhibition of chondrogenesis by retinoic acid in limb mesenchymal cells <i>in vitro</i> : effects on PGE2 and cyclic AMP concentrations. Cell Differ Dev. 1988 Sep 25(1):65-75.			
C24	Biddulph et al. Inhibition of prostaglandin synthesis reduces cyclic AMP levels and inhibits chondrogenesis in cultured chick limb mesenchyme. Methods Cell Sci. 2000 Mar 22(1):9-16.			
C25	Björkdahl, O., P. Åkerblad, A. Gjörlöf-Wingren, T. Leanderson and M. Dohlsten. Lymphoid hyperplasia in transgenic mice over-expressing a secreted form of the human interleukin-1 β gene product. Immunology (1999) 96:128-137.			
C26	Brenner, M., W.C. Kisseberth, Y. Su, F. Besnard and A. Messing. GFAP promoter directs astrocyte-specific expression in transgenic mice. J. Neurosci. (1994) 14:1030-1037.			
C27	Breyer RM, Bagdassarian CK, Myers SA and Breyer MD (2001). Prostanoid receptors: subtypes and signaling. Ann Rev Pharmacol Toxicol 41:661-90.			
C28	Brooks AI, Halterman MW, Federoff HJ (1999). Focal hippocampal gain of NGF function elicits specific septal cholinergic reorganization. Neuroreport. 10:337-44.			
C29	Brooks, A.I., D.A. Cory-Slechta and H.J. Federoff. Gene-experience interaction alters the cholinergic septohippocampal pathway of mice. Proc. Natl. Acad. Sci. USA (2000) 97:13378-13383.			
C30	Brooks, A.I., M.W. Halterman, C.A. Chadwick, B.L. Davidson, M. Haak-Frendscho, C. Radcl, C. Porter and H.J. Federoff. Reproducible and efficient murine CNS gene delivery using a microprocessor-controlled injector. J. Neurosci. Meth. (1998) 80:137-147.			
C31	Broton JG, Sessle BJ. Reflex excitation of masticatory muscles induced by algescic chemicals applied to the temporomandibular joint of the cat. Arch Oral Biol. 1988;33(10):741-7.			
C32	Brugg, B., Y.L. Dubreuil, G. Huber, E.E. Wollman, N. Delhay-Bouchard and J. Mariana. Inflammatory processes induce β -amyloid precursor protein changes in mouse brain. Proc. Natl. Acad. Sci. USA (1995) 92:3032-3035.			
C33	Bullough et al. Subchondral avascular necrosis: a common cause of arthritis. 1990 Jun 49(6):412-420.			
C34	Burcin, et al., A Regulatory System for Target Gene Expression. Frontiers in Bioscience. 3: p. 1 - 7, 1998			

Examiner Signature:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/781,142
		Filing Date	February 18, 2004
		First Named Inventor	Kyrkanides
		Group Art Unit	1632
		Examiner Name	Hama, Joanne
C35	Cairns BE, Hu JW, Arendt-Nielsen L, Sessle BJ, Svensson P. Sex-related differences in human pain and rat afferent discharge evoked by injection of glutamate into the masseter muscle. J Neurophysiol. 2001 Aug;86(2):782-91.		
C36	Cairns BE, Sessle BJ, Hu JW. Activation of peripheral GABA _A receptors inhibits temporomandibular joint-evoked jaw muscle activity. J Neurophysiol. 1999 Apr;81(4):1966-9.		
C37	Cairns BE, Sessle BJ, Hu JW. Characteristics of glutamate-evoked temporomandibular joint afferent activity in the rat. J Neurophysiol. 2001 Jun;85(6):2446-54.		
C38	Cairns BE, Sessle BJ, Hu JW. Evidence that excitatory amino acid receptors within the temporomandibular joint region are involved in the reflex activation of the jaw muscles. J Neurosci. 1998 Oct 1;18(19):8056-64.		
C39	Campbell, I.L., C.R. Abraham, E. Masliah, P. Kemper, J.D. Inglis, M.B.A. Oldstone and L. Mucke. Neurologic disease induced in transgenic mice by cerebral overexpression of interleukin 6. Proc. Natl. Acad. Sci. USA (1993) 90:10061-10065		
C40	Capecci et al. (1994) Targeted Gene Replacement. Scientific American. 270(3):34-41 (especially p. 38)		
C41	Capra NF. Localization and central projections of primary afferent neurons that innervate the temporomandibular joint in cats. Somatosens Res. 1987;4(3):201-13.		
C42	Carleson J, Alstergren P, Appelgren A, Appelgren B, Kopp S, Theodorsson E, et al. (1996). A model for the study of experimentally induced temporomandibular arthritis in rats: the effect of human recombinant interleukin-1 alpha on neuropeptide like immunoreactivity. J Orofac Pain 10:9-14.		
C43	Chandrasekharan et al. COX-3, a cyclooxygenase-1 variant inhibited by acetaminophen and other analgesic/antipyretic drugs: cloning, structure, and expression. Proc Natl Acad Sci USA 2002 Oct 15 99(21):13926-13931. Epub 2002 Sep 19.		
C44	Chang JS, Gillman SC, Lewis AJ (1986). Interleukin 1 activates phospholipase A2 in rabbit chondrocytes: a possible signal for IL-1 action. J Immunol 136:1283-87.		
C45	Chang, J.W., P.D. Coleman and M.K. O'Banion. Prostaglandin G/H synthase-2 (cyclooxygenase-2) mRNA expression is decreased in Alzheimer's disease. Neurobiol. Aging (1996) 17:801-808.		
C46	Chen Y, Mestek A, Liu J, Hurley JA, Yu L. Molecular cloning and functional expression of a mu-opioid receptor from rat brain. Mol Pharmacol. 1993 Jul;44(1):8-12.		
C47	Chepenik et al. Arachidonate metabolism during chondrogenesis <i>in vitro</i> . Calcif Tissue Int. 1984 Mar 36(2):175-181.		
C48	Choi HS, Lee HJ, Juan CY, Ju JS, Park JS, Ahn DK (2003). Central cyclooxygenase-2 participates in interleukin-β-induced hyperalgesia in the orofacial formalin test of freely moving rats. Neurosci Letters 352:187-90.		
C49	Clavelou P, Dallel R, Orliaguet T, Woda A. (1995). The orofacial formalin test in rats: effects of different formalin concentrations. Pain 62:295-301.		
C50	Cotman, C.W., A.J. Tenner and B.J. Cummings. β-amyloid converts an acute phase injury response to chronic injury responses. Neurobiol. Aging (1996) 17:723-731.		
C51	de Bont LG, Boering G, Liem RS, Eulerink F, Westesson PL (1986). Osteoarthritis and internal derangement of the temporomandibular joint: a light microscopic study. J Oral & Maxillofac Surg 44:634-43.		
C52	de Crombrughe et al. (2000) Transcriptional mechanisms of chondrocyte differentiation. Matrix Biol. 19:389-394.		
C53	Dijkgraaf LC, de Bont LG, Boering G, Liem RS (1995). The structure, biochemistry, and metabolism of osteoarthritic cartilage: a review of the literature. J Oral Maxillofac Surg 53:1182-92.		

Examiner Signature:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/781,142
Filing Date	February 18, 2004
First Named Inventor	Kyrkanides
Group Art Unit	1632
Examiner Name	Hama, Joanne

C54	Dijkgraaf LC. Liem RS. de Bont LG (1997). Synovial membrane involvement in osteoarthritic temporomandibular joints: a light microscopic study. Oral Surg Oral Med Oral Pathol Oral Radiol & Endodont 83:373-86.
C55	Dijkgraaf LC. Spijkervet FK. de Bont LG (1999). Arthroscopic findings in osteoarthritic temporomandibular joints. J Oral & Maxillofac Surg 57:255-68.
C56	Dinchuk et al. COX-3: in the wrong frame in mind. 2003 Mar 3 86(1):121.
C57	Dreessen D, Halata Z, Strassmann T. Sensory innervation of the temporomandibular joint in the mouse. Acta Anat (Basel). 1990;139(2):154-60.
C58	Du, Y., R.C. Dodel, B.J. Eastwood, K.R. Bales, F. Gao, F. Lohmuller, U. Muller, A. Kurz, R. Zimmer, R.M. Evans, A. Hake, T. Gasser, W.H. Oertel, W.S. Griffin, S.M. Paul and M.R. Farlow. Association of an interleukin 1 alpha polymorphism with Alzheimer's disease. [see comments]. Neurology (2000) 55:480-483.
C59	Dubuisson D, Dennis S. The formalin test: A quantitative study of the analgesic effects of morphine, meperidine, and brainstem stimulation in rats and cats. Pain 1977; 4:161-74.
C60	Evans CJ, Keith DE Jr, Morrison H, Magendzo K, Edwards RH. Cloning of a delta opioid receptor by functional expression. Science. 1992 Dec 18;258(5090):1952-5.
C61	Fernandes JC, Caron JP, Martel-Pelletier J, Javanovic D, Mineau F, Tardif G, Otterness IG, Pelletier JP (1997). Effects of tenidap on the progression of osteoarthritic lesions in a canine experimental model. Suppression of metalloprotease and interleukin-1 activity. Arthritis & Rheum 40:284-94.
C62	Fields HL, Emson PC, Leigh BK, Gilbert RF, Iversen LL. Multiple opiate receptor sites on primary afferent fibres. Nature. 1980 Mar 27;284(5754):351-3.
C63	Fink et al. Cell and gene therapy in the treatment of pain. Advanced Drug Delivery Reviews August 2003. 55(8):1055-1064
C64	Fiorucci S, Meli R, Bucci M, Cirino G (2001) Dual inhibitors of cyclooxygenase and 5-lipoxygenase. A new avenue in anti-inflammatory therapy? Biochem Pharmacol 62:1433-8.
C65	Fitzgerald GA and Patrono C (2001). The coxibs, selective inhibitors of cyclooxygenase-2. N Engl J Med 345:433-42.
C66	Frautschy, S.A., F. Yang, M. Irrizarry, B. Hyman, T.C. Saido, K. Hsiao and G.M. Cole. Microglial response to amyloid plaques in APPsw transgenic mice. Am. J. Pathol. (1998) 152:307-317.
C67	Friedlander, R.M., V. Gagliardini, N. Hara, K.B. Fink, W. Li, G. MacDonald, M.C. Fishman, A.H. Greenberg, M.A. Moskowitz and J. Yuan. Expression of a dominant negative mutant o interleukin-1 β converting enzyme in transgenic mice prevents neuronal cell death induced by trophic factor withdrawal and ischemic brain injury. J. Exp. Med. (1997) 185:933-940.
C68	Frommer J, Monroe CW. The morphology and distribution of nerve fibers and endings associated with the mandibular joint of the mouse. J Dent Res. 1966 Nov-Dec;45(6):1762-6.
C69	Furuta et al. Effect of 16,16-dimethyl prostaglandin E2 methyl ester on weanling rat skeleton: daily and systemic administration. Anat Rec. 1986 Jul 215(3):305-316.
C70	Futaki N, Arai I, Hamasaka Y, Takahashi S, Higuchi S and Otomo S (1993). Selective inhibition of NS-398 on prostanoid production in inflamed tissue in rat carrageenan-air-pouch inflammation. J Pharmacol 45:753-55.
C71	Gillman SC, Chang J, Zeigler PR, Uhl J, Mochan E (1988). Interleukin 1 activates phospholipase A2 in human synovial cells. Arthritis Rheum 31:126-30.
C72	Gilroy DW, Colville-Nash PR, McMaster S, Sawatzky DA, Willoughby DA, Lawrence T (2003). Inducible cyclooxygenase-derived 15-deoxy(Delta)12-14PGJ2 brings about acute inflammatory resolution in rat pleurisy by inducing neutrophil and macrophage apoptosis. FASEB 17:2269-71.

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/781,142
		Filing Date	February 18, 2004
		First Named Inventor	Kyrkanides
		Group Art Unit	1632
		Examiner Name	Hama, Joanne
C73	Gilroy DW, Colville-Nash PR, Willis D, Chivers J, Paul-Clark MJ, Willoughby DA (1999). Inducible cyclooxygenase may have anti-inflammatory properties. Nat Med 5:698-701.		
C74	Gjörloff-Wingren, A., O. Björkdahl, T. Labuda, L. Björk, U. Andersson, U. Gullberg, G. Hedlund, H.-O. Sjögren, T. Kalland, B. Widegren and M. Dohlsten. Fusion of a signal sequence to the interleukin-1 β gene directs the protein from cytoplasmic accumulation to extracellular release. Cell. Immunol. (1996) 169:226-237.		
C75	Goldgaber, D., H.H. Harris, T. Hla, T. Maciag, R.J. Donnelly, J.S. Jacobsen, M.P. Vitek and D.C. Gajdusek. Interleukin 1 regulates synthesis of amyloid β -protein precursor mRNA in human endothelial cells. Proc. Natl. Acad. Sci. USA (1989) 86:7606-7610.		
C76	Gray, C.W. and A.J. Patel. Regulation of β -amyloid precursor protein isoform mRNAs by transforming growth factor- β 1 and interleukin-1 β in astrocytes. Mol. Brain Res. (1993) 19:251-256.		
C77	Greenwald RA, Moy WW (1997). Inhibition of collagen gelation by action of the superoxide radical. Arthritis Rheum 22:251-59.		
C78	Griffin, W.S., J.A. Nicoll, L.M. Grimaldi, J.G. Sheng and R.E. Mrak. The pervasiveness of interleukin-1 in alzheimer pathogenesis: a role for specific polymorphisms in disease risk. Exp Gerontol (2000) 35:481-487.		
C79	Griffin, W.S., J.G. Sheng, M.C. Royston, S.M. Gentleman, J.E. McKenzie, D.I. Graham, G.W. Roberts and R.E. Mrak. Glial-neuronal interactions in Alzheimer's disease: the potential role of a 'cytokine cycle' in disease progression. Brain Pathol. (1998) 8:65-72.		
C80	Griffin, W.S.T., J.G. Sheng, G.W. Roberts and R.E. Mrak. Interleukin-1 expression in different plaque types in Alzheimer's disease: significance in plaque evolution. J. Neuropath. Exp. Neurol. (1995) 54:276-281.		
C81	Griffin, W.S.T., L.C. Stanley, C. Ling, L. White, V. MacLeod, L.J. Perrot, C.L. White, III and C. Araoz. Brain interleukin 1 and S-100 immunoreactivity are elevated in Down syndrome and Alzheimer disease. Proc. Natl. Acad. Sci. USA (1989) 86:7611-7615.		
C82	Grilli, M., F. Goffi, M. Memo and P. Spano. Interleukin-1 β and glutamate activate the NF-kappaB/Rel binding site form the regulatory region of the amyloid precursor protein gene in primary neuronal cultures. J. Biol. Chem. (1996) 271:15002-15007.		
C83	Grimaldi, L., V. Casadei, C. Ferri, F. Veglia, F. Licastro, G. Annoni, I. Biunno, G. De Bellis, S. Sorbi, C. Mariani, N. Canal, W. Griffin and M. Franceschi. Association of early-onset Alzheimer's disease with an interleukin-1 alpha gene polymorphism. Ann. Neurol. (2000) 47:361-365.		
C84	Gu et al. Upregulation of opioid-receptor expression potentialtes morphine antinociception effect. Society for Neuroscience Abstracts 2001, 27(2):1607		
C85	Han R, Tsui S and Smith TJ (2002). Up-regulation of prostaglandin E2 synthesis by interleukin-1 β in human orbital fibroblasts involves coordinate induction of prostaglandin H synthase-2 and glutathione-dependent prostaglandin E2 synthase expression. J Biol Chem 277:163555-64.		
C86	Hart RP, Shadiack AM, Jonakait GM (1991). Substance P gene expression is regulated by interleukin-1 in cultured sympathetic ganglia. J Neurosci Res 29:282-291.		
C87	Hassan AH, Ableitner A, Stein C, Herz A. Inflammation of the rat paw enhances axonal transport of opioid receptors in the sciatic nerve and increases their density in the inflamed tissue. Neuroscience. 1993 Jul;55(1):185-95.		
C88	Hay et al. (2000) N- and E-cadherin mediate early human calvaria osteoblast differentiation promoted by bone morphogenetic protein-2. J Cell Physiol 183:117-128.		
C89	Helkimo E, Carlsson GE, Yehuda C (1975). Bite force in patients with functional disturbances of the masticatory system. J Oral Rehabil 2:397-406.		

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary)			Complete if Known	
			Application Number	10/781,142
			Filing Date	February 18, 2004
			First Named Inventor	Kyrkanides
			Group Art Unit	1632
			Examiner Name	Hama, Joanne
	C90	Helminen HJ, Kiraly K, Pelttari A, Tammi M, Vandenberg P, Pereira R, et al. (1993). An inbred line of transgenic mice expressing an internally deleted gene for type II procollagen (COL2A1). J Clin Invest 92:582-95.		
	C91	Hsiao, K., P. Chapman, S. Nilsen, C. Eckman, Y. Harigaya, S. Younkin, F. Yang and G. Cole. Correlative memory deficits, A β elevation and amyloid plaques in transgenic mice. Science (1996) 274:99-102.		
	C92	Huang, D., R. Pirskanen, P. Hjelmstrom and A.K. Lefvert. Polymorphisms in IL-1beta and IL-1 receptor antagonist genes are associated with myasthenia gravis. J. Neuroimmunol. (1998) 81:76-81.		
	C93	Hutchins B, Patel H, Spears R (2002). Attenuation of pro-inflammatory neuropeptide levels produced by a cyclooxygenase-2 inhibitor in an animal model of chronic temporomandibular joint inflammation. J Orofac Pain 16:312-6.		
	C94	Ichikawa H, Wakisaka S, Matsuo S, et al. (1989). Peptidergic innervation of the temporomandibular disk in the rat. Experientia 45:303-304.		
	C95	Ionescu et al. (2001) PTHrP modulates chondrocyte differentiation through AP-1 and CREB signaling. J Biol Chem 276:11639-11647.		
	C96	Israel HA, Diamond BE, Saed-Nejad F, Ratcliffe A (1997). Correlation between arthroscopic diagnosis of osteoarthritis and synovitis of the human temporomandibular joint and keratan sulfate levels in the synovial fluid. J Oral Maxillofacial Surg 55:210-7.		
	C97	Israel HA, Saed-Nejad F, Ratcliffe A (1991). Early diagnosis of osteoarthritis of the temporomandibular joint: correlation between arthroscopic diagnosis and keratan sulfate levels in the synovial fluid. J Oral Maxillofacial Surg 49:708-11.		
	C98	Jakobsson PJ, Thorén S, Morgenstern R, Samuelsson B (1999). Identification of human prostaglandin E synthase: a microsomal, glutathione-dependent, inducible enzyme, constituting a potential novel drug target. Proc Natl Acad Sci USA 96:7220-25.		
	C99	Jang et al. 1989. Initiation of protein synthesis by internal entry of ribosomes into the 5' nontranslated region of encephalomyocarditis virus RNA <i>in vivo</i> . J. of Virology, 63:1651-1660		
	C100	Jantzen PT, Connor KE, DiCarlo G, Wenk GL, Wallace JL, Rojiani AM, Coppola D, Morgan D, Gordon MN (2002). Microglial Activation and Beta-Amyloid Deposit Reduction Caused by a Nitric Oxide-Releasing Nonsteroidal Anti-Inflammatory Drug in Amyloid Precursor Protein Plus Presenilin-1 Transgenic Mice. J Neurosci 22:2246-54.		
	C101	Jiao Y, Ma X, Zhang Z (2001). Interleukin-1 increase nitric oxide synthesis through up-regulation of inducible nitric-oxide synthase by rabbit mandibular condylar cartilage cells <i>in vitro</i> . Chin J Stomatol 36:345-347.		
	C102	Johansson A-S, Isacson G, Isberg A, et al. (1986) Distribution of substance P-like immunoreactive nerve fibers in temporomandibular joint soft tissues of monkey. Scand J Dent Res 94:225-232.		
	C103	Jonakait GM, Schotland S (1990). Conditioned medium from activated splenocytes increases substance P in sympathetic ganglia. J Neurosci Res 26:24-30.		
	C104	Jonakait GM, Schotland S, Hart RP (1991). Effects of lymphokines on substance P in injured ganglia of the peripheral nervous system. Ann NY Acad Sci 632:19-30.		
	C105	Jonakait GM, Schotland S, Hart RP (1991). Interleukin-1 specifically increases substance P in injured sympathetic ganglia. Ann NY Acad Sci 594:222-30.		
	C106	Joosten LA, Helsen MM, Saxne T, van De Loo FA, Heinegard D, van Den Berg WB (1999). IL-1 alpha beta blockade prevents cartilage and bone destruction in murine type II collagen-induced arthritis, whereas TNF-alpha blockade only ameliorates joint inflammation. J Immunol; 163:5049-55.		

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/781,142
Filing Date	February 18, 2004
First Named Inventor	Kyrkanides
Group Art Unit	1632
Examiner Name	Hama, Joanne

C107	Jovanovic DV, Fernandes JC, Martel-Pelletier J, Jolicoeur FC, Reboul P, Laufer S, Tries S, Pelletier JP (2001). <i>In vivo</i> dual inhibition of cyclooxygenase and lipoxygenase by ML-3000 reduces the progression of experimental osteoarthritis: suppression of collagenase 1 and interleukin-1beta synthesis. <i>Arthr Rheumaton</i> 44:2320-30.
C108	Jow RW, Clark GT. Endurance and recovery from a sustained isometric contraction in human jaw-elevating muscles. <i>Arch Oral Biol.</i> 1989;34(11):857-62.
C109	Kanaji et al. (2003) Improvement of skeletal lesions in mice with mucopolysaccharidosis type VII by neonatal adenoviral gene transfer. <i>Mol Ther</i> 8:718-725.
C110	Kawai Y, Kubota, Okabe E (2000). Reactive oxygen species participation in experimentally induced arthritis of the temporomandibular joint in rats. <i>J Dent Res</i> 79:1489-95.
C111	Kawakami M, Okabe E (1998). Superoxide anion radical-triggered Ca ²⁺ release from cardiac sarcoplasmic reticulum through ryanodine receptor Ca ²⁺ channel. <i>Mol Pharmacol</i> 53:497-503.
C112	Kehl LJ, Trempe TM, Hargreaves KM. A new animal model for assessing mechanisms and management of muscle hyperalgesia. <i>Pain.</i> 2000 Apr;85(3):333-43.
C113	Kellendonk, C. et al., Regulation of Cre recombinase activity by the synthetic steroid RU 486. <i>Nucleic Acids Research</i> Vol. 24: p. 1404 – 1411, 1996.
C114	Kido MA, Kiyoshima T, Kondo T, Ayasaka N, Moroi R, Terada Y, Tanaka T. Distribution of substance P and calcitonin gene-related peptide-like immunoreactive nerve fibers in the rat temporomandibular joint. <i>J Dent Res.</i> 1993 Mar;72(3):592-8.
C115	Kido MA, Kondo T, Ayasaka N, Terada Y, Tanaka T. The peripheral distribution of trigeminal nerve fibres in the rat temporomandibular joint studied by an anterograde axonal transport method with wheat germ agglutinin-horseradish peroxidase. <i>Arch Oral Biol.</i> 1991;36(5):397-400.
C116	Kieffer BL, Befort K, Gaveriaux-Ruff C, Hirth CG. The delta-opioid receptor: isolation of a cDNA by expression cloning and pharmacological characterization. <i>Proc Natl Acad Sci U S A.</i> 1992 Dec 15;89(24):12048-52.
C117	Kimmich, G.A., J. Roussie, M. Manglapus and J. Randles. Characterization of Na ⁺ -coupled glutamate/aspartate transport by a rat brain astrocyte line expressing GLAST and EAAC1. <i>J. Membr. Biol.</i> (2001) 182:17-30.
C118	Kirtikara K, SG Morham, R Raghow, SJ Lalederkind, T Kanekura, S Goorhaand, LR Ballou (1998). Compensatory prostaglandin E2 biosynthesis in cyclooxygenase 1 or 2 null cells. <i>J Exp Med</i> 187:517-23.
C119	Kis B, Snipes JA, Isse T, Nagy K, Busija DW. (2003) Putative cyclooxygenase-3 expression in rat brain cells. <i>J Cereb Blood Flow Metab.</i> 23:1287-92.
C120	Kitanaka J, Hashimoto H, Gotoh M, Kondo K, Sakata K, Hirasawa Y, Sawada M, Suzumura A, Marunouchi T, Matsuda T and Baba A. (1996) Expression pattern of messenger RNAs for prostanoid receptors in glial cell cultures. <i>Brain Res</i> 707:282-87.
C121	Klineberg I. Structure and function of temporomandibular joint innervation. <i>Ann R Coll Surg Engl.</i> 1971 Oct;49(4):268-88.
C122	Kolodny. Molecular Genetics of the Beta-Hexaminidase Isoenzymes: An Introduction. <i>Advances in Genetics</i> , Chp 10. 2001. 44:101-126
C123	Korneluk et al. Isolation of cDNA clones coding for the alpha-subunit of human beta-hexosaminidase. Extensive homology between the alpha- and beta-subunits and studies on Tay-Sachs disease. <i>J Biol Chem.</i> 1986 Jun 25;261(18):8407-8413
C124	Kornman, K.S., A. Crane, H.Y. Wang, F.S. di Giovine, M.G. Newman, F.W. Pirk, T.G. Wilson, Jr., F.L. Higginbottom and G.W. Duff. The interleukin-1 genotype as a severity factor in adult periodontal disease. <i>J. Clin. Periodontol.</i> (1997) 24:72-77.

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/781,142
Filing Date	February 18, 2004
First Named Inventor	Kyrkanides
Group Art Unit	1632
Examiner Name	Hama, Joanne

C125	Kosher et al. (1983) The effect of prostaglandins on <i>in vitro</i> limb cartilage differentiation. Exp Cell Res 145:145-153.
C126	Kuboki T, Nakanishi T, Kanyama M, Sonoyama W, Fujisawa T, Kobayashi K, Ikeda T, Kubo T, Yamashita A, Takigawa M. Direct adenovirus-mediated gene delivery to the temporomandibular joint in guinea-pigs. Arch Oral Biol. 1999 Sep;44(9):701-9.
C127	Kubota E, Kubota T, Matsumoto J, Shibata T, Murakami KI (1998). Synovial fluid cytokines and proteinases as markers of temporomandibular joint disease. J Oral Maxillofac Surg 56:192-98.
C128	Kyrkanides S, Kambylafka P, Miller JH, Tallents RH (2004). Non-primate lentiviral vector administration in the TMJ. J Dental Res 83:65-70.
C129	Kyrkanides S, O'Banion MK, Subtelny JD (2000). Non-steroidal anti-inflammatory drugs in orthodontic tooth movement: Metalloproteinase activity and collagen synthesis by endothelial cells. Am J Orthod Dentofac Orthop 118:203-09.
C130	Lamotte C, Pert CB, Snyder SH. Opiate receptor binding in primate spinal cord: distribution and changes after dorsal root section. Brain Res. 1976 Aug 13;112(2):407-12.
C131	Lane NE (1997). Pain management in osteoarthritis: the role of COX-2 inhibitors. J Rheumatol 24 Suppl. 49:20-24.
C132	Langenbach R, Morham SG, Tiano HF, Loftin CD, Ghanayem BI, Chulada PC, Mahler JF, Lee CA, Goulding EH, Kluckman KD, Kim HS, Smithies O (1995). Prostaglandin Synthase 1 Gene Disruption in Mice Reduces Arachidonic Acid-Induced Inflammation and Indomethacin-Induced Gastric Ulceration. Cell 83:483-92.
C133	Lavigne P, Shi Q, Jolicœur FC, Pelletier, Martel-Pelletier J, Fernandes JC (2002). Modulation of IL-1beta, IL-6, TNF-alpha and PGE(2) by pharmacological agents in explants of membranes from failed total hip replacement. Osteoarthritis & Cartilage 10:898-904.
C134	Law PY, McGinn TM, Wick MJ, Erikson LJ, Evans C, Loh HH. Analysis of delta-opioid receptor activities stably expressed in CHO cell lines: function of receptor density? J Pharmacol Exp Ther. 1994 Dec;271(3):1686-94.
C135	Lee YC, Lai HL, Sun CN, Chien CL, Chern Y. Identification of nuclear factor 1 (NF1) as a transcriptional modulator of rat A(2A) adenosine receptor. Brain Res Mol Brain Res. 2003 111(1-2):61-73.
C136	Lefebvre et al. (1997) SOX9 is a potent activator of the chondrocyte-specific enhancer of the pro alpha1(II) collagen gene. Mol Cell Biol 17:2336-2346.
C137	Lehmann, J.M., J.M. Lenhard, B.B. Oliver, G.M. Ringold and S.A. Kleiwer (1997). Peroxisome proliferator-activated receptors alpha and gamma are activated by indomethacin and other non-steroidal anti-inflammatory drugs. J Biol Chem 272:3406-10.
C138	Levine JD, Taiwo YO, Hyperalgesic pain: a review. Anesth Prog. 1990 37 (2-3) 133-135.
C139	Li JL, Ding YQ, Li YQ, Li JS, Nomura S, Kaneko T, Mizuno N. Immunocytochemical localization of mu-opioid receptor in primary afferent neurons containing substance P or calcitonin gene-related peptide. A light and electron microscope study in the rat. Brain Res. 1998 Jun 1;794(2):347-52.
C140	Li K, et al. (2002) A gene fusion method to screen for regulatory effects on gene expression: application to the LDL receptor. Human Molecular Genetics. 11(26):3257-3265.
C141	Li TF, et al. (2004) PGE2 inhibits chondrocyte differentiation through PKA and PKC signaling. Exp Cell Res 300:159-169.
C142	Li Y., L. Liu, S.W. Barger and W.S. Griffin. Interleukin-1 mediates pathological effects of microglia on tau phosphorylation and on synaptophysin synthesis in cortical neurons through a p38-MAPK pathway. J. Neurosci. (2003) 23:1605-1611.

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/781,142
		Filing Date	February 18, 2004
		First Named Inventor	Kyrkanides
		Group Art Unit	1632
		Examiner Name	Hama, Joanne
C143	Ling GS, MacLeod JM, Lee S, Lockhart SH, Pasternak GW. Separation of morphine analgesia from physical dependence. Science. 1984 Oct 26;226(4673):462-4.		
C144	Ling GS, Spiegel K, Lockhart SH, Pasternak GW. Separation of opioid analgesia from respiratory depression: evidence for different receptor mechanisms. J Pharmacol Exp Ther. 1985 Jan;232(1):149-55.		
C145	Lipsky PE and Isakson PC (1997). Outcome of specific COX-2 inhibition in rheumatoid arthritis. J Rheumatol 24:9-14.		
C146	Lipton, JA, Ship JA, Larach-Robinson D. – Estimated prevalence and distribution of reported orofacial pain the United States. Oct JADA 124 (10):115-21		
C147	Liu F, Malaval L, Aubin JE (1997). The mature osteoblast phenotype is characterized by extensive plasticity. Exp Cell Res 232:97-105.		
C148	Liu, C., Y. Bai, D. Ganea and R.P. Hart. Species-specific activity of rat recombinant interleukin-1 beta. J. Interferon Cytokine Res. (1995) 15:985-992.		
C149	Loddick, S.A. and N.J. Rothwell. Neuroprotective effects of human recombinant interleukin-1 receptor antagonist in focal cerebral ischaemia in the rat. J. Cereb. Blood Flow Metab. (1996) 16:932-940.		
C150	Lue, L.F., L. Brachova, W.H. Civin and J. Rogers. Inflammation, A beta deposition, and neurofibrillary tangle formation as correlates of Alzheimer's disease neurodegeneration. J. Neuropathol. Exp. Neurol. (1996) 55:1083-1088.		
C151	Lund JP, Donga R, Widmer CG, Stohler CS (1991). The pain adaptation model: A discussion of the relationship between chronic musculoskeletal pain and motor activity. Can J Physiol Pharmacol 69:683-694.		
C152	Macher DJ, Westesson PL, Brooks SL Hicks D and Tallents RH (1992). Temporomandibular joint surgically created disc displacement causes arthrosis in the rabbit. Oral Surg Oral Med Oral Pathol 73:645-49.		
C153	Mackenzie, I.R.A. and D.G. Munoz. Nonsteroidal anti-inflammatory drug use and Alzheimer-type pathology in aging. Neurology (1998) 50:986-990.		
C154	Maguire-Zeiss KA, Bowers WJ, Federoff HJ (2002). Somatic mosaic approaches and the aging brain. Neurobiol Aging 23:977-84.		
C155	Malmberg AB and Yaksh TL (1995). Cyclooxygenase inhibition and the spinal release of prostaglandin E2 and amino acids evoked by paw formalin injection: a microdialysis study in unanesthetized rats. J Neurosci 15:2768-76.		
C156	Mancini JA, Blood K, Guay J, Gordon R, Claveau D, Chan CC and Riendeau R (2001). Cloning, expression, and up-regulation of inducible rat prostaglandin synthase during lipopolysaccharide-induced pyresis and adjuvant-induced arthritis. J Biol Chem 276:4469-75.		
C157	Mansour A, Fox CA, Thompson RC, Akil H, Watson SJ. mu-Opioid receptor mRNA expression in the rat CNS: comparison to mu-receptor binding. Brain Res. 1994 Apr 18;643(1-2):245-65.		
C158	Martel-Pelletier J, Pelletier JP, Fahmi H (2003). Cyclooxygenase-2 and prostaglandins in articular tissues. Semin Arthritis Rheum 33:155-67.		
C159	Martin WR, Eades CG Demonstration of tolerance and physical dependence in the dog following a short-term infusion of morphine. J Pharmacol Exp Ther. 1961 Aug;133:262-70.		
C160	Masaki M, Matsushita M and Wakitani K. Inhibitory effects of JTE-522, a novel prostaglandin synthase-2 inhibitor, on adjuvant-induced arthritis and bone changes in rats. Inflamm Res 47:187-92.		
C161	Matsubara T, Ziff M (1986). Increased superoxide anion release from human endothelial cells in response to cytokines. J Immunol 137:3295-98.		

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/781,142
		Filing Date	February 18, 2004
		First Named Inventor	Kyrkanides
		Group Art Unit	1632
		Examiner Name	Hama, Joanne
	C162	Matthes HW, Maldonado R, Simonin F, Valverde O, Slowe S, Kitchen I, Befort K, Dierich A, Le Meur M, Dolle P, Tzavara E, Hanoune J, Roques BP, Kieffer BL. Loss of morphine-induced analgesia, reward effect and withdrawal symptoms in mice lacking the mu-opioid-receptor gene. <i>Nature</i> . 1996 Oct 31;383(6603):819-23.	
	C163	McCord JM (1974). Free radicals and inflammation: protection of synovial fluid by superoxide dismutase. <i>Science</i> 185:529-31.	
	C164	McDowell, T.L., J.A. Symons, R. Ploski, O. Forre and G.W. Duff. A genetic association between juvenile rheumatoid arthritis and a novel interleukin-1 alpha polymorphism. <i>Arthritis Rheum.</i> (1995) 38:221-228.	
	C165	Meng F, Taylor LP, Hoversten MT, Ueda Y, Ardati A, Reinscheid RK, Monsma FJ, Watson SJ, Civelli O, Akil H. Moving from the orphanin FQ receptor to an opioid receptor using four point mutations. <i>J Biol Chem</i> . 1996 Dec 13;271(50):32016-20.	
	C166	Milam SB, Magnuson VL, Steffensen B, Chen D, Klebe RJ (1991). IL-1 beta and prostaglandins regulate integrin mRNA expression. <i>J Cell Physiol</i> 149:173-83.	
	C167	Milam SB, Schmitz JP (1995). Molecular biology of temporomandibular joint disorders: proposed mechanisms of disease. <i>J Oral Maxillofacial Surg</i> 53:1448-54.	
	C168	Minami M, Toya T, Katao Y, Maekawa K, Nakamura S, Onogi T, Kaneko S, Satoh M. Cloning and expression of a cDNA for the rat kappa-opioid receptor. <i>FEBS Lett.</i> 1993 Aug 30;329(3):291-5.	
	C169	Minami, M., K. Kuraishi, K. Yabuuchi, K. Yamazaki and M. Satoh. Induction of interleukin-1 mRNA in rat brain transient forebrain ischaemia. <i>J. Neurochem.</i> (1992) 58:390-392.	
	C170	Miyamoto et al. (2003) Simultaneous stimulation of EP2 and EP4 is essential to the effect of prostaglandin E2 in chondrocyte differentiation. <i>Osteoarthritis Cartilage</i> . 11(9):644-652	
	C171	Mizukawa H, Okabe E (1997). Inhibition by singlet molecular oxygen of the vascular reactivity in rabbit mesenteric artery. <i>Br J Pharmacol</i> 121:63-70.	
	C172	Molin C. Vertical isometric muscle forces of the mandible. A comparative study of subjects with and without manifest mandibular pain dysfunction syndrome. <i>Acta Odontol Scand</i> . 1972 Oct;30(4):485-99.	
	C173	Moller E, Sheikholeslam A, Lous I. Response of elevator activity during mastication to treatment of functional disorders. <i>Scand J Dent Res</i> . 1984 Feb;92(1):64-83.	
	C174	Mollereau C, Parmentier M, Mailleux P, Butour JL, Moisand C, Chalon P, Caput D, Vassart G, Meunier JC. ORL1, a novel member of the opioid receptor family. Cloning, functional expression and localization. <i>FEBS Lett.</i> 1994 Mar 14;341(1):33-8.	
	C175	Moore AH, Olschowka JA, O'Banion MK (2004). Intraparenchymal administration of interleukin-1beta induces cyclooxygenase-2-mediated expression of membrane- and cytosolic-associated prostaglandin E synthases in mouse brain. <i>J Neuroimmunol</i> 148:32-40.	
	C176	Moos V, Fickert S, Muller B, Weber U, Sieper J (1999). Immunohistological analysis of cytokine expression in human osteoarthritic and healthy cartilage. <i>J Rheumatol</i> 26:870-9.	
	C177	Morham SG, Langenbach R, Loftin CD, Tian HF, Vouloumanos N, Jennette JC, Mahler JF, Kluckman KD, Ledford A, Lee CA, Smithies O (1995). Prostaglandin Synthase 2 Gene Disruption Causes Severe Renal Pathology in the Mouse. <i>Cell</i> 83:473-82.	
	C178	Mueller-Decker K, Hirschner W, Marks F, Fuerstenberger G (2002). The Effects of Cyclooxygenase Isozyme Inhibition on Incisional Wound Healing in Mouse Skin. <i>J Invest Dermatol</i> 119:1189-95.	
	C179	Mullins et al. (1996) Perspectives Series: Molecular Medicine in Genetically Engineered Animals; Transgenesis in the rat and larger mammals. <i>J Clin Invest</i> . 97(7):1557-1560.	

Examiner Signature:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/781,142
		Filing Date	February 18, 2004
		First Named Inventor	Kyrkanides
		Group Art Unit	1632
		Examiner Name	Hama, Joanne
C180	Murakami M, Naraba H, Tanioka T, Semmyo N, Nakatani Y, Kojima F, Ikeda T, Fueki M, Ueno A, Oh-ishi S and Kudo I (2000). Regulation of prostaglandin E2 biosynthesis by inducible membrane-associated prostaglandin E2 synthase that acts in concert with cyclooxygenase-2. J Biol Chem 275:32783-92.		
C181	Murphy, G.M., Jr., J.D. Claassen, J.J. DeVoss, N. Pascoe, J. Taylor, J.R. Tinklenberg and J.A. Yesavage. Rate of cognitive decline in AD is accelerated by the interleukin-1 alpha -889 *1 allele. Neurology (2001) 56:1595-1597.		
C182	Myerowitz et al. Human beta-hexosaminidase alpha chain: coding sequence and homology with the beta chain. Proc Natl Acad Sci USA 1985 Dec;82(23):7830-7834		
C183	Myers SL, Flusser D, Brandt KD, Heck DA (1992). Prevalence of cartilage shards in synovium and their association with synovitis in patients with early and endstage osteoarthritis. J Rheumatol 19:1247-51.		
C184	Nakai et al. (1991) Assignment of beta-hexosaminidase A alpha-subunit to human chromosomal region 15q23----q24. Cytogenet Cell Genet. 56(3-4):164.		
C185	Narumiya A and FitzGerald GA (2001). Genetic and pharmacological analysis of prostanoid receptor function. J Clin Invest 108:25-30.		
C186	Narumiya S, Sugimoto Y, Ushikuni F (1999). Prostanoid receptors: structures, properties and functions. Physiol. Rev. 79:1193-1226.		
C187	National Institutes of Health Grant No. K08 DE00471		
C188	National Institutes of Health Grant No. R03 DE13860		
C189	National Institutes of Health Grant No. R21 DE14700		
C190	National Institutes of Health Grant No. R21 NS048522		
C191	National Institutes of Health Grant No. RO1 NS048339		
C192	National Institutes of Health Grant No. RO1 NS33553		
C193	Neote et al. Characterization of the Human <i>HEXB</i> Gene encoding lysosomal beta-hexosaminidase. Genomics 3. 1988. Accession No. A31250.		
C194	Nicoll, J., R. Mrak, D. Graham, J. Stewart, G. Wilcock, S. MacGowan, M. Esiri, L. Murray, D. Dewar, S. Love, T. Moss and W. Griffin. Association of interleukin-1 gene polymorphisms with Alzheimer's disease. Ann. Neurol. (2000) 47:365-368.		
C195	Niemann H. Transgenic farm animals get off the ground. Transgenic Animals in Agriculture, Conference Tahoe City, California, USA. August 24-27, 1997. Transgenic Res. 1998 Jan 7(1):73-75.		
C196	Nordenskiold UM, Grimby G. Grip force in patients with rheumatoid arthritis and fibromyalgia and in healthy subjects. A study with the Grippit instrument. Scand J Rheumatol. 1993;22(1):14-9.		
C197	Norisue M, Todoki K, Okabe E (1997). Inhibition by hydroxyl radicals of calcitonin gene-related peptide-mediated neurogenic vasorelaxation in isolated canine lingual artery. J Pharmacol Exp Ther 280:492-500.		
C198	O'Keefe et al. (1992) Influence of prostaglandins on DNA and matrix synthesis in growth plate chondrocytes. J Bone Miner Res. 7(4):397-404.		
C199	O'Banion MK, Sadowski HB, Winn V, Young DA (1991). A serum- and glucocorticoid-regulated 4-kilobase mRNA encodes a cyclooxygenase-related protein. J Biol Chem 266:23261-7.		
C200	O'Banion MK, Winn VD, Young DA (1992). cDNA cloning and functional activity of a glucocorticoid-regulated inflammatory cyclooxygenase. Proc Natl Acad Sci U.S.A. 89:4888-92.		

Examiner Signature:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/781,142
Filing Date	February 18, 2004
First Named Inventor	Kyrkanides
Group Art Unit	1632
Examiner Name	Hama, Joanne

C201	O'Banion, M.K., J.C. Dusel, J.W. Chang, M.D. Kaplan and P.D. Coleman. Interleukin-1 β induces prostaglandin G/H synthase-2 (cyclooxygenase-2) in primary murine astrocyte cultures. J. Neurochem. (1996) 66:2532-2540.
C202	O'Byrne EM, Blancuzzi VJ, Wilson DE, et al. (1990). Increased intra-articular substance P and prostaglandin E2 following injection of interleukin-1 in rabbits. Int J Tissue React 12:11-4.
C203	Ochi T, Ohkubo Y, Mutoh S (2003). Role of cyclooxygenase-2, but not cyclooxygenase-1, on type II collagen-induced arthritis in DBA/1J mice. Biochem Pharmacol 66:1055-60.
C204	Oddo S, Caccamo A, Shepherd JD, Murphy MP, Golde TE, Kaye R, Metherate R, Mattson MP, Akbari Y, LaFerla FM. Triple-transgenic model of Alzheimer's disease with plaques and tangles: intracellular Abeta and synaptic dysfunction. Neuron. 2003 Jul 31;39(3):409-21.
C205	Ogura N, Tobe M, Sakamaki H, Kujiraoka H, Akiba M, Abiko Y, Nagura H (2002). Interleukin-1 beta induces interleukin-6 mRNA expression and protein production in synovial cells from human temporomandibular joint. J Oral Pathol Med 31:353-60.
C206	Paddison, P. J., Caudy, A. A., Sachidanandam, R., and Hannon, G. J. (2004). Short hairpin activated gene silencing in mammalian cells. Methods Mol Biol 265, 85-100.
C207	Paddison, P.J., A.A. Caudy and G.J. Hannon. Stable suppression of gene expression by RNAi in mammalian cells. Proc. Natl. Acad. Sci. USA (2002) 99:1443-1448.
C208	Paesani DA, Tallents RH, Murphy WC and Proskin HM (1994). Evaluation of the reproducibility of rest activity of the anterior temporal and masseter muscles in asymptomatic and symptomatic temporomandibular subjects. J Orofacial Pain 8:402-06.
C209	Pan YX, Xu J, Wan BL, Zuckerman A, Pasternak GW. Identification and differential regional expression of KOR-3/ORL-1 gene splice variants in mouse brain. FEBS Lett. 1998 Sep 11;435(1):65-8.
C210	Pennybacker, M., et al. Evidence for the Involvement of flu-355 in the catalytic Action of Human Beta-Hexosaminidase B*. The Journal of Biological Chemistry vol. 272, No. 12, March 1997: pg. 8002 - 8006
C211	Pennybacker, M., et al. Identification of Domains in Human Beta-Hexosaminidase That Determine Substrate Specificity*. The Journal of Biological Chemistry vol 271, No. 29, July 1996: pg. 17377-17382
C212	Pfeifer A, Brandon EP, Kootstra Neeltje, Gage FH, Verma IM (2001). Delivery of the Cre recombinase by a self-deleting lentiviral vector: Efficient gene targeting <i>in vivo</i> . Proc Natl Acad Sci U.S.A. 98:11450-11455.
C213	Pociot, F., J. Molvig, L. Wogensen, H. Worsaae and J. Nerup. A TaqI polymorphism in the human interleukin-1 beta (IL-1 beta) gene correlates with IL-1 beta secretion <i>in vitro</i> . Eur. J. Clin. Invest. (1992) 22:396-402.
C214	Pohl M, Braz J. Gene therapy of pain:emerging strategies and future directions. Eur J Pharmacol. 2001 Oct 19;429(1-3):39-48.
C215	Portanova JP, Zhang Y, Anderson GD, Hauser SD, Masferrer JL, Seibert K, Gregory SA, Isakson PC. (1996) Selective neutralization of prostaglandin E2 blocks inflammation, hyperalgesia, and interleukin 6 production <i>in vivo</i> . J. Exp. Med 184:883-91.
C216	Porzio et al. Mucosal delivery of anti-inflammatory IL-1Ra by sporulating recombinant bacteria. BMC Biotechnol. 2004 Oct 30;4:27
C217	Proia et al. (1988) Gene encoding the human beta-hexosaminidase beta chain: extensive homology of intron placement in the alpha- and beta-chain genes. Proc. Natl. Acad. Sci. 85:1883-1887.
C218	Proia RL. (2001) Cloning the beta-hexosaminidase genes. Advances in Genetics, Chp 11. 44:127-135.

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary)			Complete if Known	
			Application Number	10/781,142
			Filing Date	February 18, 2004
			First Named Inventor	Kyrkanides
			Group Art Unit	1632
			Examiner Name	Hama, Joanne
	C219	Ratcliffe A, Billingham ME, Saed-Nejad F, Muir H, Hardingham TE (1992). Increased release of matrix components from articular cartilage in experimental canine osteoarthritis. J Ortho Res 10:350-8.		
	C220	Ratcliffe A, Doherty M, Maini RN, Hardingham TE (1998). Increased concentrations of proteoglycan components in the synovial fluids of patients with acute but not chronic joint disease. Ann Rheum Dis 47:826-32.		
	C221	Raynor K, Kong H, Mestek A, Bye LS, Tian M, Liu J, Yu L, Reisine T. Characterization of the cloned human mu opioid receptor. J Pharmacol Exp Ther. 1995 Jan;272(1):423-8.		
	C222	Revell PA, Mayston V, Lalor P, Mapp P (1988). The synovial membrane in osteoarthritis: a histological study including the characterisation of the cellular infiltrate present in inflammatory osteoarthritis using monoclonal antibodies. Ann Rheum Dis 47:300-7.		
	C223	Ricote M, Li AC, Willson TM, Kelly CJ and Glass CK (1998). The peroxisome proliferator-activated receptor-gamma is a negative regulator of macrophage activation. Nature 391:79-82.		
	C224	Ritchlin CT, Haas-Smith SA, Li P, Hicks DG, Schwarz EM (2003). Mechanisms of TNF-alpha- and RANKL-mediated osteoclastogenesis and bone resorption in psoriatic arthritis. J Clin Invest 111:821-31.		
	C225	Roberts CR, Roughley PJ, Mort JS (1989). Degradation of human proteoglycan aggregate induced by hydrogen peroxide. Protein fragmentation, amino acid modification and hyaluronic acid cleavage. Biochem J. 259:805-11.		
	C226	Rogers, J., S. Webster, L.-F. Lue, L. Brachova, W.H. Civin, M. Emmerling, B. Shivers, D. Walker and P. McGeer. Inflammation and Alzheimer's disease pathogenesis. Neurobiol. Aging (1996) 17:681-686.		
	C227	Rogers, J.T., L.M. Leiter, J. McPhee, C.M. Cahill, S. Zhan, H. Potter and L.N. Nilsson. Translation of the Alzheimer amyloid precursor protein mRNA is up-regulated by interleukin-1 through 5'-untranslated region sequences. J. Biol. Chem. (1999) 274:6421-6431.		
	C228	Romfh JH, Capra NF, Gatipon GB. Trigeminal nerve and temporomandibular joint of the cat: a horseradish peroxidase study. Exp Neurol. 1979 Jul;65(1):99-106.		
	C229	Rossi GC, Brown GP, Leventhal L, Yang K, Pasternak GW. Novel receptor mechanisms for heroin and morphine-6 beta-glucuronide analgesia. Neurosci Lett. 1996 Sep 20;216(1):1-4.		
	C230	Rothwell, N.J. and G.N. Luheshi. Interleukin 1 in the brain: biology, pathology and therapeutic target. Trends Neurosci. (2000) 23:618-625.		
	C231	Rubinson, D. A., Dillon, C. P., Kwiatkowski, A. V., Sievers, C., Yang, L., Kopinja, J., Rooney, D. L., Ihrig, M. M., McManus, M. T., Gertler, F. B., et al. (2003). A lentivirus-based system to functionally silence genes in primary mammalian cells, stem cells and transgenic mice by RNA interference. Nat Genet 33, 401-406.		
	C232	Russell NJ, Schaible HG, Schmidt RF. Opiates inhibit the discharges of fine afferent units from inflamed knee joint of the cat. Neurosci Lett. 1987 Apr 23;76(1):107-12.		
	C233	Salvemini D, Misko TP, Masferrer JL (1993). Nitric oxide activates cyclooxygenase enzymes. Proc Natl Acad Sci 90:7240-44.		
	C234	Schafer M, Imai Y, Uhl GR, Stein C. Inflammation enhances peripheral mu-opioid receptor-mediated analgesia, but not mu-opioid receptor transcription in dorsal root ganglia. Eur J Pharmacol. 1995 Jun 12;279(2-3):165-9.		
	C235	Schroeder JE, Fischbach PS, Zheng D, McCleskey EW. Activation of mu opioid receptors inhibits transient high- and low-threshold Ca2+ currents, but spares a sustained current. Neuron. 1991 Jan;6(1):13-20.		

Examiner Signature:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/781,142
		Filing Date	February 18, 2004
		First Named Inventor	Kyrkanides
		Group Art Unit	1632
		Examiner Name	Hama, Joanne
	C236	Schuller AG, King MA, Zhang J, Bolan E, Pan YX, Morgan DJ, Chang A, Czick ME, Unterwald EM, Pasternak GW, Pintar JE. Retention of heroin and morphine-6 beta-glucuronide analgesia in a new line of mice lacking exon 1 of MOR-1. <i>Nat Neurosci.</i> 1999 Feb;2(2):151-6.	
	C237	Schwarz EM, Looney RJ, O'Keefe RJ (2000). Anti-TNF-alpha therapy as a clinical intervention for periprosthetic osteolysis. <i>Arthritis Res</i> 2:165-8.	
	C238	Sciacca, F.L., C. Ferri, K. Vandenbroeck, F. Veglia, C. Gobbi, F. Martinelli, D. Franciotta, M. Zaffaroni, M. Marrosu, G. Martino, V. Martinelli, G. Comi, N. Canal and L.M. Grimaldi. Relevance of interleukin 1 receptor antagonist intron 2 polymorphism in Italian MS patients. <i>Neurology</i> (1999) 52:1896-1898.	
	C239	Sessle BJ, Hu JW. sms of pain arising from articular tissues. <i>Can J Physiol Pharmacol.</i> 1991 May;69(5):617-26.	
	C240	Shaftel et al. (2003) COX-3: a splice variant of cyclooxygenase-1 in mouse neural tissue and cells. <i>Brain Res Mol Brain Res.</i> 119:213-215.	
	C241	Sheng, J.G., R.E. Mrak and W.S. Griffin. Glial-neuronal interactions in Alzheimer disease: progressive association of IL-1alpha+ microglia and S100beta+ astrocytes with neurofibrillary tangle stages. <i>J. Neuropathol. Exp. Neurol.</i> (1997) 56:285-290.	
	C242	Sheng, J.G., S.G. Zhu, R.A. Jones, W.S. Griffin and R.E. Mrak. Interleukin-1 promotes expression and phosphorylation of neurofilament and tau proteins <i>in vivo</i> . <i>Exp. Neurol.</i> (2000) 163:388-391.	
	C243	Shin S-j, Fermor B, Weinberg JB, Pisetsky DS, Guilak F (2003). Regulation of matrix turnover in meniscal explants: role of mechanical stress, interleukin-1, and nitric oxide. <i>J Appl Physiol.</i> ; 95:308-13.	
	C244	Siqueira-Junior JM, Peters RR, Brum-Fernandes AJ, Ribeiro-do-Valle RM (2003). Effects of valeryl salicylate, a COX-1 inhibitor, on models of acute inflammation in mice. <i>Pharmacol Res</i> 48:437-43.	
	C245	Smith MD, Triantafillou S, Parker A, Youssef PP, Coleman M (1997). Synovial membrane inflammation and cytokine production in patients with early osteoarthritis. <i>J Rheumatol</i> 24:365-71.	
	C246	Smith, WL, DeWitt DL, Garavito RM (2000). Cyclooxygenases: structural, cellular, and molecular biology. <i>Annu Rev Biochem</i> 69:145-82.	
	C247	Srinivas S, Watanabe T, Lin C-S, Williams C, Tanabe Y, Jessell T, Costantini F (2002). Cre reporter strains produced by targeted insertion of EYFP and ECFP into the ROSA26 locus. <i>BMC Develop Biol</i> 1:4-11.	
	C248	Stalder, A.K., Carson, M.J., Pagenstecher, A., Asensio, V.C., Kincaid, C., Benedict, M., Powell, H.C., Masliah, E., Campbell, I.L. Late-onset chronic inflammatory encephalopathy in immune-competent and severe combined immune-deficient (SCID) mice with astrocyte-targeted expression of tumor necrosis factor. <i>Am J Pathol</i> , 1998 153(3):767-83.	
	C249	Stegenga B, de Bont LG, Boering G (1989). Osteoarthritis as the cause of craniomandibular pain and dysfunction: a unifying concept. <i>J Oral Maxillofacial Surg</i> 47:249-56.	
	C250	Stegenga B, de Bont LG, Boering G, Van Willigen JD (1991). Tissue responses to degenerative changes in the temporomandibular joint: a review. <i>J Oral Maxillofacial Surg</i> 49:1079-88.	
	C251	Stein C, Hassan AH, Przewlocki R, Gramsch C, Peter K, Herz A. Opioids from immunocytes interact with receptors on sensory nerves to inhibit nociception in inflammation. <i>Proc Natl Acad Sci U S A.</i> 1990 Aug;87(15):5935-9.	
	C252	Stein C, Schafer M, Machelska H. Attacking pain at its source: new perspectives on opioids. <i>Nat Med.</i> 2003 Aug;9(8):1003-8.	
	C253	Sternberg N, Hamilton D (1981). Bacteriophage P1 site-specific recombination. Recombination between loxP sites. <i>J Mol Biol</i> 150:467-86.	

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary)			Complete if Known	
			Application Number	10/781,142
			Filing Date	February 18, 2004
			First Named Inventor	Kyrkanides
			Group Art Unit	1632
			Examiner Name	Hama, Joanne
	C254	Stichtenoth DO, Thoren S, Bian H, Peters-Golden M, Jakobsson PJ and Crofford L (2001). Microsomal prostaglandin E synthase is regulated by proinflammatory cytokines in primary rheumatoid synovial cells. J. Immunol. (2001) 167:469-74.		
	C255	Stohler CS (1999). Craniofacial pain and motor function: pathogenesis, clinical correlates, and implications. Crit Rev Oral Biol Med 10:504-18.		
	C256	Stohler CS, Ashton-Miller JA, Carlson DS. The effects of pain from the mandibular joint and muscles on masticatory motor behaviour in man. Arch Oral Biol. 1988;33(3):175-82.		
	C257	Stohler CS, Yamada Y, Ash MM (1985). Antagonistic muscle stiffness and associated reflex behavior in the pain-dysfunction state. Helv Odontol Acta Vol. 29:13-20.		
	C258	Sugimoto Y, Narumiya S and Ichikawa A (2000). Distribution and function of prostanoid receptors: studies from knockout mice. Prog Lipid Res 39:289-314.		
	C259	Surnii H, Inoue H, Onoue J, Mori A, Oda T, Tsubokura T (1996). Superoxide dismutase activity in arthropathy: its role and measurement in the joints. Hiroshima J Med Sci 45:51-55.		
	C260	Suzuki T, Segami N, Nisimura M, Nojima T (2002). Co-expression of interleukin-1beta and tumor necrosis factor alpha in synovial tissues and synovial fluids of temporomandibular joint with internal derangement: comparison with histological grading of synovial inflammation. J of Oral Pathology Med 31:549-57.		
	C261	Takeda et al. Leptin regulates bone formation via the sympathetic nervous system. Cell . 2002 Nov 1;111(3):305-317		
	C262	Tallents RH, Macher DJ, Rivoli P, Scapino R, Puzas JE, Katzberg RW (1990). An animal model for disk displacement. J Craniomandib Disord Facial Oral Pain 4:233-40.		
	C263	Tambeli CH, et al., J Dent Res 1997; 76:(Special Issue) abstr# 1263		
	C264	Tanaka A, Hase S, Miyazawa T, Ohno R, Takeuchi K (2002). Role of cyclooxygenase (COX)-1 and COX-2 inhibition in nonsteroidal anti-inflammatory drug-induced intestinal damage in rats: relation to various pathogenic events. J Pharmacol Exp Ther 303:1248-54.		
	C265	Taniike M, et al. Neuropathology of mice with targeted disruption of Hexa gene, model of Tay-Sachs disease. Acta Neuropathol (Berl.) 89(4):296-304 (1995)		
	C266	Tanioka T, Nakatani Y, Semmyo N, Murakami M and Kudo I (2000). Molecular identification of cytosolic prostaglandin E2 synthase that is functionally coupled with cyclooxygenase-1 in immediate prostaglandin E2 biosynthesis. J Biol Chem 275:32775-82.		
	C267	Tanzi, R.E. Alzheimer's disease risk and the interleukin-1 genes. Ann Neurol (2000) 47:283-285.		
	C268	Tawara T, Shingu M, Nobunaga M, Naono T (1991). Effects of recombinant human IL-1β on production of prostaglandin E2, leukotriene B4, NAG, and superoxide by human synovial cells and chondrocytes. Inflammation 15:145-57.		
	C269	Tehrani, R., S. Andell-Jonsson, S.M. Beni, I. Yatsiv, E. Shohami, T.B. Bartfai, J. KLundkvist and K. Iverfeldt. Improved recovery and delayed cytokine induction after closed head injury in mice with central overexpression of the secreted isoform of the interleukin-1 receptor antagonist. J. Neurotrauma (2002) 19:939-951.		
	C270	Thilander B. Innervation of the Temporo-mandibular Disc in Man. Acta Odontol Scand. 1964 Feb;22:151-6.		
	C271	Tiku ML, Liesch JB, Robertson FM (1990). Production of hydrogen peroxide by rabbit articular chondrocytes. Enhancement by cytokines. J Immunol 145:690-96.		
	C272	Tilley SL, Coffman TM and Koller BH (2001). Mixed messages: modulation of inflammation and immune response by prostaglandins and thromboxanes. J Clin Invest 108:15-23		

Examiner Signature:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/781,142
		Filing Date	February 18, 2004
		First Named Inventor	Kyrkanides
		Group Art Unit	1632
		Examiner Name	Hama, Joanne
C273	Tiscornia, G., Singer, O., Ikawa, M., and Verma, I. M. (2003). A general method for gene knockdown in mice by using lentiviral vectors expressing small interfering RNA. <i>Proc Natl Acad Sci U S A</i> 100, 1844-1848.		
C274	Triggs-Raine et al. (1994) Characterization of the murine beta-hexosaminidase (HEXB) gene. <i>Biochim Biophys Acta.</i> 1227 (1-2):79-86.		
C275	Tuschl, T. RNA interference and small interfering RNAs. <i>Chembiochem</i> (2001) 2:239-245.		
C276	Ueno et al. (1985) The effects of prostaglandin E2 in rapidly growing rats: depressed longitudinal and radial growth and increased metaphyseal hard tissue mass. <i>Bone</i> 6:79-86.		
C277	Vane JR, Bakhle YS, Botting RM(1998). Cyclooxygenases 1 and 2. <i>Annu. Rev. Pharmacol. Toxicol.</i> 38:97-120.		
C278	Vignon et al. (1990) Histaminergic H1, serotonergic, beta adrenergic and dopaminergic receptors in human osteoarthritic cartilage. <i>Biochem Int.</i> 20(2):251-255.		
C279	Wada S, Okabe E (1997). Susceptibility of caffeine and INS(1,4,5)P3 induced contractions to oxidants in permeabilized vascular smooth muscle. <i>Eur J Pharmacol</i> 320:51-59.		
C280	Wall RJ. (1996) Transgenic Livestock: Progress and Prospects for the Future. <i>Theriogenology.</i> 45:57-68.		
C281	Wang JB, Imai Y, Eppler CM, Gregor P, Spivak CE, Uhl GR. mu opiate receptor: cDNA cloning and expression. <i>Proc Natl Acad Sci U S A.</i> 1993 Nov 1;90(21):10230-4.		
C282	Wang JB, Johnson PS, Imai Y, Persico AM, Ozenberger BA, Eppler CM, Uhl GR. cDNA cloning of an orphan opiate receptor gene family member and its splice variant. <i>FEBS Lett.</i> 1994 Jul 4;348(1):75-9.		
C283	Webb GR, Westacott CI, Elson CJ. (1998) Osteoarthritic synovial fluid and synovium supernatants up-regulate tumor necrosis factor receptors on human articular chondrocytes. <i>Osteoarthr & Cartil</i> 6:167-76.		
C284	Werz MA, MacDonald RL. Opioid peptides selective for mu- and delta-opiate receptors reduce calcium-dependent action potential duration by increasing potassium conductance. <i>Neurosci Lett.</i> 1983 Dec 2;42(2):173-8.		
C285	Wilhelmi G, Faust R (1976). Suitability of the C57 black mouse as an experimental animal for the study of skeletal changes due to ageing; with special reference to osteo-arthritis and its response to tribenoside. <i>Pharmacol</i> 14:289-96.		
C286	Wingren AG, Bjorkdahl O, Labuda T, Bjork L, Andersson U, Gullberg U, Hedlund G, Sjogren HO, Kalland T, Widegren B, Dohlsten M (1996). Fusion of a signal sequence to the interleukin-1 beta gene directs the protein from cytoplasmic accumulation to extracellular release. <i>Cell Immunol</i> 169:226-37.		
C287	Wink CS, St Onge M, Zimny ML. Neural elements in the human temporomandibular articular disc. <i>J Oral Maxillofac Surg.</i> 1992 Apr;50(4):334-7.		
C288	Wolff et al. Direct gene transfer into mouse muscle <i>in vivo</i> . <i>Science.</i> 1990 Mar 23 247(4949 Pt 1):1465-1468.		
C289	Wood et al. (1989) A rare TaqI RFLP immediately 3' of the <i>HEXB</i> gene on chromosome 5. <i>Nucleic Acid Research.</i> 17:2368.		
C290	Woodruff T, Blake DR, Freeman J, Andrews FJ, Salt P, Lunec J (1986). Is chronic synovitis an example of reperfusion injury? <i>Ann Rheum Dis</i> 45:608-11.		
C291	Wu CL, Garry MG, Zollo RA, Yang J. Gene therapy for the management of pain: part II: molecular targets. <i>Anesthesiology.</i> 2001 Jul;95(1):216-40.		

Examiner Signature:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/781,142
Filing Date	February 18, 2004
First Named Inventor	Kyrkanides
Group Art Unit	1632
Examiner Name	Hama, Joanne

C292	Xie GX, Meuser T, Pietruck C, Sharma M, Palmer PP. Presence of opioid receptor-like (ORL1) receptor mRNA splice variants in peripheral sensory and sympathetic neuronal ganglia. Life Sci. 1999;64(22):2029-37.
C293	Xu et al. (2000) Enhanced expression of mu-opioid receptors in sensory neurons using adeno-associated viral vectors. Society for Neuroscience Abstracts, 26(1-2):1662, Abstract 608.7
C294	Xu et al. (2001) Adeno-associated virus mediated gene expression in dorsal root ganglia following remote vector delivery. Society for Neuroscience Abstracts 27(2):1607.
C295	Xu et al. (2003) Adeno-associated viral transfer of opioid receptor gene to primary sensory neurons: a strategy to increase opioid antinociception. Proc. Natl. Acad. Sci. 100(10):6204-6209.
C296	Xu et al. (2003) Efficiencies of transgene expression in nociceptive neurons through different routes of delivery of adeno-associated viral vectors. Human Gene Therapy. 14(9):897-906.
C297	Yaksh TL, Dirig DM, Conway CM, Svensson C, Luo ZD, Isakson PC (2001). The acute antihyperalgesic action of nonsteroidal, anti-inflammatory drugs and release of spinal prostaglandin E2 is mediated by the inhibition of constitutive spinal cyclooxygenase-2 (COX-2) but not COX-1. J Neurosci 21:5847-53.
C298	Yaksh TL, Jessell TM, Gamse R, Mudge AW, Leeman SE. Intrathecal morphine inhibits substance P release from mammalian spinal cord <i>in vivo</i> . Nature. 1980 Jul 10;286(5769):155-7.
C299	Yaksh TL. Substance P release from knee joint afferent terminals: modulation by opioids. Brain Res. 1988 Aug 23;458(2):319-24.
C300	Yamamoto Y, Yin MJ, Lin KM and Gaynor RB (1999). Sulindac inhibits activation of the NF- κ B pathway. J Biol Chem. 274:27307-314.
C301	Yamasaki, Y., N. Matsuura, H. Shozuhara, H. Onodera, Y. Itoyama and K. Kogure. Interleukin-1 as a pathogenetic mediator of ischemic brain damage in rats. Stroke (1995) 26:676-681.
C302	Yang, D., F. Buchholz, Z. Huang, A. Goga, C.-Y. Chen, F.M. Brodsky and J.M. Bishop. Short RNA duplexes produced by hydrolysis with Escherichia coli RNase III mediate effective RNA interference in mammalian cells. Proceedings of the National Academy of Sciences (2002) 99:9942-994.
C303	Yang, Y., W.W. Quitschke and G.J. Brewer. Upregulation of amyloid precursor protein gene promoter in rat primary hippocampal neurons by phorbol ester, IL-1, and retinoic acid, but not by reactive oxygen species. Mol. Brain Res. (1998) 60:40-49.
C304	Yermakova, A.V., J. Rollins, L.M. Callahan, J. Rogers and M.K. O'Banion. Cyclooxygenase-1 in human Alzheimer's and control brain: quantitative analysis of expression by microglia and CA3 hippocampal neurons. J. Neuropathol. Exp. Neurol. (1999) 58:1135-1146.
C305	Yin MJ, Yamamoto Y and Gaynor RB (1998). The anti-inflammatory agents aspirin and salicylate inhibit the activity of I κ B kinase- β . Nature 396:77-80.
C306	Yoshida H, Fukumura Y, Fujita S, Nishida M, Iizuka T (2002). The expression of cyclooxygenase-2 in human temporomandibular joint samples: an immunohistochemical study. J Oral Rehab 29:1146-52.
C307	Yoshino K, Kawagishi S, Amano N. Morphological characteristics of primary sensory and post-synaptic sympathetic neurones supplying the temporomandibular joint in the cat. Arch Oral Biol. 1998 Sep;43(9):679-86.
C308	Zhang J, S Goorha, R Raghovand, LR Ballou (2002). The tissue-specific, compensatory expression of cyclooxygenase-1 and -2 in transgenic mice. Prostaglandin Other Lipid Mediat 67:121-35.
C309	Zheng et al. Treatment of the mouse model of mucopolysaccharidosis I with retrovirally transduced bone marrow. Mol Genet Metab. 2003 Aug 79(4):233-244.

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE
STATEMENT LIST**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/781,142
Filing Date	February 18, 2004
First Named Inventor	Kyrkanides
Group Art Unit	1632
Examiner Name	Hama, Joanne

C310	Zhu J, Musco ML, Grace MJ (1999). Three-color flow cytometry analysis of tricistronic expression of eBFP, eGFP, and eYFP using EMCV-IRES linkages. Cytometry 37:51-9.
C311	Zhu X, Conklin D, Eisenach JC (2003). Cyclooxygenase-1 in the spinal cord plays an important role in postoperative pain. Pain 104:15-23.

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.